SABIC® PPcompound 8510E

PP — Saudi Basic Industries Corporation (SABIC)

Product Texts

SABIC® PPcompound 8510E is a mineral filled elastomer-modified polypropylene for automotive painted bumper and painted exterior cladding applications. The material combines good flow with high impact, stiffness and low CLTE. The stiffness level of this material is such that thin wall applications are possible. This grade is emission optimized. SABIC® PPcompound 8510E is a designated automotive grade. IMDS ID: 588401960

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**22**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2100**	MPa	ISO 527
Yield stress	**20**	MPa	ISO 527
Stress at break	**14**	MPa	ISO 527
Strain at break	**20**	%	ISO 527
Flexural modulus, 23°C	**2200**	MPa	ISO 178
Izod notched impact strength	**7**	kJ/m²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	**110**	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	**1050**	kg/m³	ISO 1183

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